Abstract

A Newton ring prevention film comprising a transparent film in which projections are formed by surface roughening, a transparent film in which projections are formed by providing a projection coating layer, or either of these transparent films wherein a transparent electroconducting layer is further provided on the surface in which the projections are formed, and wherein the average surface roughness (RA)/inter-projection distance (SM) of the surface comprising the projection is $0.8x10^{-3}$ - $2.0x10^{-3}$, and the inter-projection distance (SM) is 150 μm or less. Further, a touch panel is disclosed wherein a transparent electroconducting layer is provided as an upper electrode substrate and a transparent film or glass wherein a transparent electroconducting layer is provided as a lower electrode substrate, transparent electrode layers face the upper electrode substrate and lower electrode substrate at a predetermined interval, the average surface roughness (RA)/inter-projection distance (SM) of the transparent electrode layer surface of at least one of the upper electrode substrate and lower electrode substrate surface is $0.8x10^{-3}$ - $2.0x10^{-3}$, and the inter-projection distance (SM) is 150 μm or less.